

#7

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/533,519
Source: PCR
Date Processed by STIC: 4/4/06

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 04/04/2006

PATENT APPLICATION: US/10/533,519

TIME: 10:30:37

Input Set : E:\P1984R1.txt

Output Set: N:\CRF4\04042006\J533519.raw

3 <110> APPLICANT: CLARK, HILARY
 4 SCHOENFELD, JILL
 5 VANLOOKEREN, MENNO
 6 WILLIAMS, P. MICKEY
 7 WOOD, WILLIAM I.
 8 WU, THOMAS D.
 10 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
 11 RELATED DISEASES
 13 <130> FILE REFERENCE: P1984R1 US
 15 <140> CURRENT APPLICATION NUMBER: US 10/533,519
 16 <141> CURRENT FILING DATE: 2005-04-28
 18 <150> PRIOR APPLICATION NUMBER: PCT/US03/34312
 19 <151> PRIOR FILING DATE: 2003-10-30
 21 <150> PRIOR APPLICATION NUMBER: US 60/423,394
 22 <151> PRIOR FILING DATE: 2002-11-01
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 27 <211> LENGTH: 699
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Homo sapien
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 36 tcttagaaga gtacttgagc tccactccgc agcgtctgaa gttgctggac 150
 38 gcgtacctgc tgtatatact gctgaccggg gcgctgcagt tcggttactg 200
 40 tctcctcgtg gggacccttc ccttcaactc ttttctctcg ggcttcatct 250
 42 cttgtgtggg gagtttcatc cttagcggttt gcctgagaat acagatcaac 300
 44 ccacagaaca aagcggattt ccaaggcatc tccccagagc gagcctttgc 350
 46 tgattttctc tttgccagca ccaccttgca ccttggtgtc atgaactttg 400
 48 ttggctgaat cattctcatt tacttaattg aggagtagga gactaaaaga 450
 50 atgttcactc tttgaatttc ctggataaga gttctggaga tggcagctta 500
 52 ttggacacat ggattttctt cagatttgac acttactgct agctctgctt 550
 54 tttatgacag gagaaaagcc cagagttcac tgtgtgtcag aacaactttc 600
 56 taacaaacat ttattaatcc agcctctgcc tttcattaaa tgtaaccttt 650
 58 tgctttccaa attaaagaac tccatgccac tcctcaaaaa aaaaaaaaaa 699
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 62 <212> TYPE: PRT
 63 <213> ORGANISM: Homo sapien
 65 <400> SEQUENCE: 2
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 67 1 5 10 15
 69 Tyr Leu Ser Ser Thr Pro Gln Arg Leu Lys Leu Leu Asp Ala Tyr

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73          35          40          45
75 Leu Leu Val Gly Thr Phe Pro Phe Asn Ser Phe Leu Ser Gly Phe
76          50          55          60
78 Ile Ser Cys Val Gly Ser Phe Ile Leu Ala Val Cys Leu Arg Ile
79          65          70          75
81 Gln Ile Asn Pro Gln Asn Lys Ala Asp Phe Gln Gly Ile Ser Pro
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100 accatggaga ggaggagggtg gagacttttg cttttcaggc agaaattgcc 150
102 caactcatgt cctcatcat caataccttc tattccaaca aggagatttt 200
104 cttcgggag ttgatctcta atgcttctga tgccttggac aagattcgct 250
106 atgagagcct gacagaccct tcgaagttag acagtggtaa agagctgaaa 300
108 attgacatca tccccaaacc tcaggaacgt accctgactt tggtagacac 350
110 aggcatggc atgaccaaag ctgatctcat aaataatttg ggaaccattg 400
112 ccaagtctgg tactaaagca ttcatggagg ctcttcaggc tgggtgcagac 450
114 atctccatga ttgggcagtt tgggtgttggc ttttattctg cctacttggg 500
116 ggcagagaaa gtggttgtga tcacaaagca caacgatgat gaacagtatg 550
118 cttgggagtc ttctgctgga ggttccttca ctgtgcgtgc tgaccatggt 600
120 gagccattg gcaggggtac caaagtgat cctcatctta aagaagatca 650
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134 gaccagaaac cctgatgaca tcaccaaga ggagtatgga gaattctaca 1000
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144 tatctcaatt ttatccgtgg tgtggttgac tctgaggatc tgcccctgaa 1250
146 catctcccga gaaatgctcc agcagagcaa aatcttgaaa gtcattcgca 1300
148 aaaacattgt taagaagtgc cttgagctct tctctgagct ggcagaagac 1350
150 aaggagaatt acaagaaatt ctatgaggca ttctctaaaa atctcaagct 1400
152 tggaaatccac gaagactcca ctaaccgccg ccgctgtct gagctgctgc 1450
154 gctatcatat ccccagtcct ggagatgaga tgacatctct gtcagagtat 1500
156 gtttctcgca tgaaggagac acagaagtcc atctattaca tcactgggtga 1550

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162 cagcagctca aggaatttga tgggaagagc ctggtctcag ttaccaagga 1700
164 gggctctggag ctgcctgagg atgaggagga gaagaagaag atggaagaga 1750
166 gcaaggcaaa gtttgagaac ctctgcaagc tcatgaaaga aatcttagat 1800
168 aagaagggttg agaagggtgac aatctccaat agacttgtgt cttcaccttg 1850
170 ctgcattgtg accagcacct acggctggac agccaatatg gagcggatca 1900
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174 aaaaagcacc tggagatcaa ccctgaccac cccattgtgg agacgctgcg 2000
176 gcagaaggct gagggccgaca agaataataa ggcagttaag gacctggtgg 2050
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182 tattgatgaa gatgaagtgg cagcagagga acccaatgct gcagttcctg 2200
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194 aggattggat gttgtgtatt gtgtgttatt ttattttctt cttttgttc 2500
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200 <210> SEQ ID NO: 4

201 <211> LENGTH: 724

202 <212> TYPE: PRT

203 <213> ORGANISM: Homo sapien

205 <400> SEQUENCE: 4

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210 20 25 30
212 Thr Phe Tyr Ser Asn Lys Glu Ile Phe Leu Arg Glu Leu Ile Ser
213 35 40 45
215 Asn Ala Ser Asp Ala Leu Asp Lys Ile Arg Tyr Glu Ser Leu Thr
216 50 55 60
218 Asp Pro Ser Lys Leu Asp Ser Gly Lys Glu Leu Lys Ile Asp Ile
219 65 70 75
221 Ile Pro Asn Pro Gln Glu Arg Thr Leu Thr Leu Val Asp Thr Gly
222 80 85 90
224 Ile Gly Met Thr Lys Ala Asp Leu Ile Asn Asn Leu Gly Thr Ile
225 95 100 105
227 Ala Lys Ser Gly Thr Lys Ala Phe Met Glu Ala Leu Gln Ala Gly
228 110 115 120
230 Ala Asp Ile Ser Met Ile Gly Gln Phe Gly Val Gly Phe Tyr Ser
231 125 130 135
233 Ala Tyr Leu Val Ala Glu Lys Val Val Val Ile Thr Lys His Asn
234 140 145 150
236 Asp Asp Glu Gln Tyr Ala Trp Glu Ser Ser Ala Gly Gly Ser Phe
237 155 160 165
239 Thr Val Arg Ala Asp His Gly Glu Pro Ile Gly Arg Gly Thr Lys

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242	Val Ile Leu His	Leu Lys Glu Asp Gln Thr	Glu Tyr Leu Glu Glu			
243		185		190		195
245	Arg Arg Val Lys	Glu Val Val Lys Lys His	Ser Gln Phe Ile Gly			
246		200		205		210
248	Tyr Pro Ile Thr	Leu Tyr Leu Glu Lys Glu	Arg Glu Lys Glu Ile			
249		215		220		225
251	Ser Asp Asp Glu	Ala Glu Glu Glu Lys Gly	Glu Lys Glu Glu Glu			
252		230		235		240
254	Asp Lys Asp Asp	Glu Glu Lys Pro Lys Ile	Glu Asp Val Gly Ser			
255		245		250		255
257	Asp Glu Glu Asp	Asp Ser Gly Lys Asp Lys	Lys Lys Lys Lys Thr Lys			
258		260		265		270
260	Lys Ile Lys Glu	Lys Tyr Ile Asp Gln Glu	Glu Leu Asn Lys Thr			
261		275		280		285
263	Lys Pro Ile Trp	Thr Arg Asn Pro Asp Asp	Ile Thr Gln Glu Glu			
264		290		295		300
266	Tyr Gly Glu Phe	Tyr Lys Ser Leu Thr Asn	Asp Trp Glu Asp His			
267		305		310		315
269	Leu Ala Val Lys	His Phe Ser Val Glu Gly	Gln Leu Glu Phe Arg			
270		320		325		330
272	Ala Leu Leu Phe	Ile Pro Arg Arg Ala Pro	Phe Asp Leu Phe Glu			
273		335		340		345
275	Asn Lys Lys Lys	Lys Asn Asn Ile Lys Leu	Tyr Val Arg Arg Val			
276		350		355		360
278	Phe Ile Met Asp	Ser Cys Asp Glu Leu Ile	Pro Glu Tyr Leu Asn			
279		365		370		375
281	Phe Ile Arg Gly	Val Val Asp Ser Glu Asp	Leu Pro Leu Asn Ile			
282		380		385		390
284	Ser Arg Glu Met	Leu Gln Gln Ser Lys Ile	Leu Lys Val Ile Arg			
285		395		400		405
287	Lys Asn Ile Val	Lys Lys Cys Leu Glu Leu	Phe Ser Glu Leu Ala			
288		410		415		420
290	Glu Asp Lys Glu	Asn Tyr Lys Lys Phe Tyr	Glu Ala Phe Ser Lys			
291		425		430		435
293	Asn Leu Lys Leu	Gly Ile His Glu Asp Ser	Thr Asn Arg Arg Arg			
294		440		445		450
296	Leu Ser Glu Leu	Leu Arg Tyr His Thr Ser	Gln Ser Gly Asp Glu			
297		455		460		465
299	Met Thr Ser Leu	Ser Glu Tyr Val Ser Arg	Met Lys Glu Thr Gln			
300		470		475		480
302	Lys Ser Ile Tyr	Tyr Ile Thr Gly Glu Ser	Lys Glu Gln Val Ala			
303		485		490		495
305	Asn Ser Ala Phe	Val Glu Arg Val Arg Lys	Arg Gly Phe Glu Val			
306		500		505		510
308	Val Tyr Met Thr	Glu Pro Ile Asp Glu Tyr	Cys Val Gln Gln Leu			
309		515		520		525
311	Lys Glu Phe Asp	Gly Lys Ser Leu Val Ser	Val Thr Lys Glu Gly			
312		530		535		540

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318                               560                               565                               570
320 Leu Asp Lys Lys Val Glu Lys Val Thr Ile Ser Asn Arg Leu Val
321                               575                               580                               585
323 Ser Ser Pro Cys Cys Ile Val Thr Ser Thr Tyr Gly Trp Thr Ala
324                               590                               595                               600
326 Asn Met Glu Arg Ile Met Lys Ala Gln Ala Leu Arg Asp Asn Ser
327                               605                               610                               615
329 Thr Met Gly Tyr Met Met Ala Lys Lys His Leu Glu Ile Asn Pro
330                               620                               625                               630
332 Asp His Pro Ile Val Glu Thr Leu Arg Gln Lys Ala Glu Ala Asp
333                               635                               640                               645
335 Lys Asn Asp Lys Ala Val Lys Asp Leu Val Val Leu Leu Phe Glu
336                               650                               655                               660
338 Thr Ala Leu Leu Ser Ser Gly Phe Ser Leu Glu Asp Pro Gln Thr
339                               665                               670                               675
341 His Ser Asn Arg Ile Tyr Arg Met Ile Lys Leu Gly Leu Gly Ile
342                               680                               685                               690
344 Asp Glu Asp Glu Val Ala Ala Glu Glu Pro Asn Ala Ala Val Pro
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354 <211> LENGTH: 1932
355 <212> TYPE: DNA
356 <213> ORGANISM: Homo sapien
358 <400> SEQUENCE: 5
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363 accagggcaaa ccgaccacag cccagctacg tggccttcac cgacaccgag 150
365 cggctgggtcg gggacgcggc caagagccag gcggccctga acccccacaa 200
367 caccgtgttc gatgccaaag ggctgatcgg gcgcaagttc gcggacacca 250
369 cgggtgcagtc ggacatgaag cactggccct tccgggtggt gacgcagggc 300
371 ggcaagccca aggtgccggt atcgtaccgc ggggaggaca agacgttcta 350
373 ccccgaggag atctcgtcca tgggtgctgag caagatgaag gagacggccg 400
375 aggcgtacct gggccagccc gtgaagcacg cagtgatcac cgtgcccgcc 450
377 tatttcaatg actcgcagcg ccaggccacc aaggacgcgg gggccatcgc 500
379 ggggctcaac gtgttgcgga tcatcaatga gcccacggca gctgccatcg 550
381 cctatgggct ggaccggcgg ggcgcgggag agcgcaacgt gctcattttt 600
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387 acttcgacaa ccggtcgtg aaccacttca tggagaatt ccggcggaag 750
389 catgggaagg acctgagcgg gaacaagcgt gccctcggca ggctgcgcac 800
391 agcctgtgag cgcgccaagc gcaccctgtc ctccagcacc caggccaccc 850
393 tggagataga ctccctgttc gagggcgtgg acttctacac gtccatcact 900
395 cgtgcccgcct ttgaggaact gtgctcagac ctcttcgcga gcaccctgga 950

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:947; N Pos. 433,456,497,506,512
Seq#:1237; N Pos. 27,766
Seq#:1366; N Pos. 729,730,731
Seq#:1374; N Pos. 2005
Seq#:1408; N Pos. 372,373,374,375,376,377,378,379,380,381,382,383,384,385
Seq#:1408; N Pos. 386,387,388,389,390,391,392,393,394
Seq#:1423; N Pos. 2530
Seq#:1449; N Pos. 3300
Seq#:1489; N Pos. 36
Seq#:1571; N Pos. 1562
Seq#:1593; N Pos. 1104
Seq#:1693; N Pos. 432,847,904,1401,1600,1631
Seq#:1707; N Pos. 4174
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Seq#:1727; N Pos. 6986,6987,6988,6989,6990,6991,6992,6993,6994,6995
Seq#:1736; N Pos. 698,717,731
Seq#:1737; Xaa Pos. 10
Seq#:1744; N Pos. 1537,1538,1539,1540,1541,1542,1543,1544,1545,1546,1547

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Seq#:1918; N Pos. 647
Seq#:1934; N Pos. 4613,4614
Seq#:1950; N Pos. 148,151,152
Seq#:1970; N Pos. 3587,4738
Seq#:1979; N Pos. 893,894,895,896,897,898,899,900,901,902,903,904,905,906
Seq#:1979; N Pos. 907,908,909,910,911,912,913,914,915,916,917
Seq#:2062; N Pos. 1641,1758,1898
Seq#:2088; N Pos. 722,2090
Seq#:2089; Xaa Pos. 20
Seq#:2110; N Pos. 1442
Seq#:2274; N Pos. 3203
Seq#:2316; N Pos. 360
Seq#:2317; Xaa Pos. 57
Seq#:2416; N Pos. 1099
Seq#:2460; N Pos. 2912
Seq#:2508; N Pos. 239,240,241,242,243,244,245,246,247,248,249,250,251,252
Seq#:2508; N Pos. 253,254,255,256,257,258,259,260,261,262,263,264,265,266
Seq#:2508; N Pos. 267,268,269,270,271,272,273,274,275,276,277,278
Seq#:2509; Xaa Pos. 44,45,46,47,48,49,50,51,52,53,54,55,56,57

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L:3198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:2950
L:4881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:700
L:15200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128 after pos.:1950
L:19355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:45
L:23201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213 after pos.:60
L:24930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233 after pos.:0
L:28443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:274 after pos.:60
L:45941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:443 after pos.:2150
L:45943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:443 after pos.:2200
L:45945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:443 after pos.:2250
L:45947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:443 after pos.:2300
L:45949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:443 after pos.:2350
L:45951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:443 after pos.:2400
L:45953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:443 after pos.:2450
L:45955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:443 after pos.:2500
L:51677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:489 after pos.:400
L:51679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:489 after pos.:450
L:52095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:494 after pos.:250
L:61546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:580 after pos.:60
L:68574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:637 after pos.:250
L:79959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:727 after pos.:9850
L:79963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:727 after pos.:9950
L:79965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:727 after pos.:10000
L:82004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:735 after pos.:11950
L:82006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:735 after pos.:12000
L:84950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:3200
L:84952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:3250
L:84954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:3300
L:84956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:3350
L:84958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:3400
L:84960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:3450
L:84962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:3500
L:105267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:947 after pos.:400
L:105269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:947 after pos.:450
L:105271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:947 after pos.:500
L:135332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1237 after pos.:0
L:135362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1237 after pos.:750
L:150758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1366 after pos.:700
L:151868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1374 after pos.:2000
L:155571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1408 after pos.:350
L:157420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1423 after pos.:2500
L:160162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1449 after pos.:3250
L:164959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1489 after pos.:0
L:173698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1571 after pos.:1550
L:175540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1593 after pos.:1100
L:187893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1693 after pos.:400
L:187909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1693 after pos.:800
L:187913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1693 after pos.:900

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L:187933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1693 after pos.:1400
L:187939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1693 after pos.:1550
L:187941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1693 after pos.:1600
L:190835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1707 after pos.:4150
L:193324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1727 after pos.:6950
L:194751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1736 after pos.:650
L:194753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1736 after pos.:700
L:194768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1737 after pos.:0
L:195905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:1500
L:195907 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:1550
L:195909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:1600
L:195911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:1650
L:195913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:1700
L:195915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:1750
L:195917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:1800
L:195919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:1850
L:195927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:2050
L:195929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:2100
L:195931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:2150
L:195933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:2200
L:195935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:2250
L:195937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:2300
L:195939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:2350
L:195941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1744 after pos.:2400
L:196446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1748 after pos.:3700
L:196450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1748 after pos.:3800
L:196534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1748 after pos.:5900
L:198051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1761 after pos.:100
L:198053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1761 after pos.:150
L:205052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1818 after pos.:400
L:205852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1826 after pos.:2100
L:205854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1826 after pos.:2150
L:205856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1826 after pos.:2200
L:205858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1826 after pos.:2250
L:205860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1826 after pos.:2300
L:205862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1826 after pos.:2350
L:205864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1826 after pos.:2400
L:205866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1826 after pos.:2450
L:206068 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1828 after pos.:2100
L:209642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1866 after pos.:3600
L:214575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1918 after pos.:600
L:215869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1934 after pos.:4600
L:217396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1950 after pos.:100
L:217398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1950 after pos.:150
L:219685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1970 after pos.:3550
L:219731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1970 after pos.:4700
L:220519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1979 after pos.:850
L:220521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1979 after pos.:900
L:228261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2062 after pos.:1600

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/533,519

DATE: 04/04/2006

TIME: 10:30:38

Input Set : E:\P1984R1.txt

Output Set : N:\CRF4\04042006\J533519.raw

L:228267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2062 after pos.:1750
L:228271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2062 after pos.:1850
L:230228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2088 after pos.:700
L:230282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2088 after pos.:2050
L:230316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2089 after pos.:15
L:232163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2110 after pos.:1400
L:245909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2274 after pos.:3200
L:249241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2316 after pos.:350
L:249351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2317 after pos.:45
L:258902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2416 after pos.:1050
L:262888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2460 after pos.:2900
L:266727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2508 after pos.:200
L:266729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2508 after pos.:250
L:266997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2509 after pos.:30
L:267000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2509 after pos.:45